

ENGINE

ABSTRACT

5 An engine has a block, an output shaft mounted to rotate  
within the block, a profiled cam attached to or formed  
integrally with the output shaft, a number of bores in the  
block extending in radial directions away from the output  
shaft, a respective reciprocating piston within each bore  
10 and defining an expansion volume within the bore at one  
side of the piston, a respective fixed push bar extending  
from each piston toward the output shaft, and inlet and  
exhaust ports communicating with the expansion volume.  
There is a valve at each inlet port, and a combustion  
15 manifold within which a pressurised fuel-air mixture  
ignites before entry via the inlet ports to the respective  
expansion volumes.